

In re Patent Application of:
MCCARTHY
Serial No. 10/775,674
Filing Date: FEBRUARY 10, 2004
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In the Claims:

1. (Currently amended) A communications system comprising:

an application server and at least one communications device for processing requests from one another, said at least one communications device processing requests using a hypertext transfer protocol (HTTP) client application; and

an HTTP server for interfacing said HTTP client application with said application server;

said HTTP server and said HTTP client application formatting requests to be communicated therebetween via the Internet in an HTTP format, and each providing additional state information with the HTTP formatted requests recognizable by the other for authenticating the application server and said HTTP client application to one another;

said HTTP client application accepting work jobs from said application server by sending a GET request to a first universal resource locator (URL) associated with said HTTP server to establish a semi-permanent connection between said HTTP client application and said HTTP server, and responding to the work jobs from said application server by sending a POST request with results for the work jobs to a second URL different from the first URL and also associated with said HTTP server.

2. (Original) The communications system of Claim 1 wherein the additional state information comprises a global

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unique identifier (GUID) associated with said HTTP client application.

3. (Original) The communications system of Claim 1 wherein said HTTP client application and said HTTP server further provide sequencing information with the HTTP formatted requests.

4. (Original) The communications system of Claim 1 wherein said HTTP client application and said HTTP server format the additional state information as HTTP headers for respective HTTP formatted requests.

5. (Original) The communications system of Claim 1 wherein said at least one communications device is within a protected computing environment.

6. (Original) The communications system of Claim 1 wherein said HTTP server and said HTTP client application communicate via the Internet.

7. (Currently amended) A communications system comprising:

an application server and at least one communications device for processing requests from one another, said at least one communications device processing requests using a hypertext transfer protocol (HTTP) client application; and

an HTTP server for interfacing said HTTP client

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application with said application server;

said HTTP server and said HTTP client application formatting requests to be communicated therebetween via the Internet in an HTTP format, and each providing a global unique identifier (GUID) associated with said HTTP client application with the HTTP formatted requests for authenticating the application server and said HTTP client application to one another;

said HTTP client application accepting work jobs from said application server by sending a GET request to a first universal resource locator (URL) associated with said HTTP server to establish a semi-permanent connection between said HTTP client application and said HTTP server, and responding to the work jobs from said application server by sending a POST request with results for the work jobs to a second URL different from the first URL and also associated with said HTTP server, and said HTTP client application and said HTTP server further providing sequencing information with the HTTP formatted requests.

8. (Original) The communications system of Claim 7 wherein said HTTP client application and said HTTP server format the additional state information as HTTP headers for respective HTTP formatted requests.

9. (Original) The communications system of Claim 7 wherein said at least one communications device is within a protected computing environment.

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10. (Original) The communications system of Claim 7 wherein said HTTP server and said HTTP client application communicate via the Internet.

11. (Currently amended) A method for interfacing an application server and at least one communications device using a hypertext transfer protocol (HTTP) server, the application server and the at least one client communications device for processing requests from one another, and the at least one communications device processing requests using an HTTP client application, the method comprising:

formatting requests to be communicated between the HTTP server and the HTTP client application via the Internet in an HTTP format;

providing additional state information with the HTTP formatted requests communicated between the HTTP server and the HTTP client application for authenticating the application server and the HTTP client application to one another, the respective additional state information of the HTTP server and the HTTP client application being recognizable by the other; and

at the HTTP client application, accepting work jobs from the application server by sending a GET request to a first universal resource locator (URL) associated with the HTTP server to establish a semi-permanent connection between the HTTP client application and the HTTP server, and responding to the work jobs from the application server by sending a POST request with

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results for the work jobs to a second URL different from the first URL and also associated with the HTTP server.

12. (Original) The method of Claim 11 wherein the additional state information comprises a global unique identifier (GUID) associated with the HTTP client application.

13. (Original) The method of Claim 11 further comprising providing sequencing information with the HTTP formatted requests.

14. (Original) The method of Claim 11 wherein formatting comprises formatting the additional state information as HTTP headers for respective HTTP formatted requests.

15. (Original) The method of Claim 11 wherein the HTTP server and the HTTP client application communicate via the Internet.

16. (Original) The method of Claim 11 wherein the at least one communications device is within a protected computing environment.